

1 BILL NO. S-82-03-07

2 SPECIAL ORDINANCE NO. S-58-82

3 AN ORDINANCE approving Change Order No. 1  
4 AWT - Phases A,B,C; EPA Project, Federal  
5 Grant No. C-180774-03 in connection with the  
6 Board of Public Works.

7 BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF  
8 FORT WAYNE, INDIANA:

9 SECTION 1. That Change Order No. 1, AWT - Phases A, B,  
10 & C; EPA Project, Federal Grant No. C-180774-03 to Hagerman &  
11 Shambaugh, joint bidders, in connection with the Board of  
12 Public Works, for:

13 the revision of Item 1 - the 42 inch sludge  
14 holding tank effluent line; Item 2 - the  
15 five new secondary clarifier tanks; and  
16 Item 3 - the pond sludge pumping station  
17 hoisting system,

18 in the amount of \$18,723.00 to be deducted from Item 1; and  
19 \$25,800.00 to be deducted from Item 2; and \$142.00 to be added  
20 to Item 3, as set out in the specifications, which are on file  
21 in the Office of the Board of Public Works and are by reference  
22 incorporated herein and made a part hereof, be and the same is  
23 in all things ratified, confirmed and approved.

24 SECTION 2. That this Ordinance shall be in full force  
25 and effect from and after its passage and approval by the Mayor.

26 APPROVED AS TO FORM AND  
27 LEGALITY MARCH 5, 1982

28   
29 BRUCE O. BOXBERGER, CITY ATTORNEY  
30  
31  
32

Read the first time in full and on motion by Burns,  
seconded by Stier, and duly adopted, read the second time  
by title and referred to the Committee City of Utilities (and the City  
Plan Commission for recommendation) and Public Hearing to be held after  
due legal notice, at the Council Chambers, City-County Building, Fort Wayne,  
Indiana, on \_\_\_\_\_, the \_\_\_\_\_ day of  
\_\_\_\_\_, 19\_\_\_\_, at \_\_\_\_\_ o'clock \_\_\_\_\_ M., E.S.T.

DATE: 2-9-82

Charles W. Westerman  
CHARLES W. WESTERMAN - CITY CLERK

Read the third time in full and on motion by Burns,  
seconded by Stier, and duly adopted, placed on its  
passage. PASSED ~~(LOST)~~ by the following vote:

	<u>AYES</u>	<u>NAYS</u>	<u>ABSTAINED</u>	<u>ABSENT</u>	<u>TO-WIT:</u>
<u>TOTAL VOTES</u>	<u>8</u>	<u>0</u>	_____	<u>1</u>	_____
<u>BRADBURY</u>	<u>✓</u>	_____	_____	_____	_____
<u>BURNS</u>	<u>✓</u>	_____	_____	_____	_____
<u>EISBART</u>	<u>✓</u>	_____	_____	_____	_____
<u>GIAQUINTA</u>	<u>✓</u>	_____	_____	_____	_____
<u>NUCKOLS</u>	<u>abs.</u>	_____	_____	<u>X</u>	_____
<u>SCHMIDT</u>	<u>✓</u>	_____	_____	_____	_____
<u>SCHOMBURG</u>	<u>✓</u>	_____	_____	_____	_____
<u>STIER</u>	<u>✓</u>	_____	_____	_____	_____
<u>TALARICO</u>	<u>✓</u>	_____	_____	_____	_____

DATE: 3/23/82

Charles W. Westerman  
CHARLES W. WESTERMAN - CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne,  
Indiana, as ~~(ZONING MAP)~~ ~~(GENERAL)~~ ~~(ANNEXATION)~~ ~~(SPECIAL)~~

~~(APPROPRIATION)~~ ORDINANCE ~~(RESOLUTION)~~ NO. 5-58-82  
on the 23rd day of March, 1982.

ATTEST:

(SEAL)

Charles W. Westerman  
CHARLES W. WESTERMAN - CITY CLERK


Samuel J. Talarico  
PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on  
the 24th day of March, 1982, at the hour of  
11:30 o'clock A.M., E.S.T.

Charles W. Westerman  
CHARLES W. WESTERMAN - CITY CLERK

Approved and signed by me this 25th day of March  
19 82, at the hour of 4 o'clock P.M., E.S.T.

Win Moses, Jr.  
WIN MOSES, JR. - MAYOR


  
BILL NO. S-82-03-07

REPORT OF THE COMMITTEE ON CITY UTILITIES

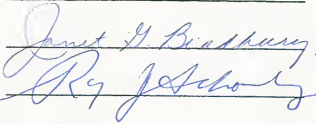
WE, YOUR COMMITTEE ON City Utilities TO WHOM WAS REFERRED AN  
ORDINANCE approving Change Order No. 1 AWT - Phases A,B,C; EPA  
Project, Federal Grant No. C-180774-03 in connection with the  
Board of Public Works

HAVE HAD SAID ORDINANCE UNDER CONSIDERATION AND BEG LEAVE TO REPORT  
BACK TO THE COMMON COUNCIL THAT SAID ORDINANCE ad PASS.

PAUL M. BURNS - CHAIRMAN 

MARK E. GIAQUINTA - VICE CHAIRMAN 

JAMES S. STIER

JANET G. BRADBURY 

ROY J. SCHOMBURG

CONCURRED IN

DATE 3/23/82 CHARLES W. WESTERMAN, CITY CLERK

PROJECT Water Quality Control ProjectOWNER City of Fort Wayne, Indiana

71-193-10

2/17/82

DIVISION/SECTION AWT - Phases A, B and C (EPA Project No. C180774-03)CHANGE ORDER NO. 1

TO: Hagerman-Shambaugh, Joint Bidders  
510 W. Washington Blvd. P.O. Box 106901  
Fort Wayne, Indiana 46853-0690

You are hereby authorized to make the following additions and/or deductions to your contract amount.

	Previous Contract Amount	Increase	Decrease	Net Change (Deduct) <del>(Add)</del>	Revised Contract Amount
TOTAL	\$ 12,938,000	\$ 142	\$ 44,523	\$ 44,381	\$ 12,893,619

Description of Change:

AddDeductItem No. 1

Provide all necessary labor and material to revise the 42-inch sludge holding tank effluent line as shown on revised plan sheet SH-1, and described as follows:

1. Completely delete construction of the new junction box.
2. Delete the new 42" sluice gate.
3. Delete all electrical work associated with the 42" sluice gate.
4. Delete approximately 130 ft. of 42" D.I. effluent line.
5. Add approximately 140 ft. of 18" D.I. effluent line.
6. Add one 18" x 18" x 18" tee to connect effluent line to decant line.
7. Add one 18" C.I. flap gate to the effluent end of the 18" D.I. pipe located in the existing chlorine contact tank diversion chamber.

\$18,723.00

CHANGE ORDER NO. 1

PAGE 2

Description of Change:AddDeductItem No. 2

Provide all necessary labor and material to make the following revisions to the five (5) new secondary clarifier tanks.

Delete the 4 x 4 stainless steel embedded angle and install the stainless steel weir plate direct to the concrete channel wall with stainless steel 1/2" x 4" drilled anchors, caulking the joint between the weir and concrete.

\$25,800.00

Item No. 3

Provide all necessary labor and material to make the following revisions in the pond sludge pumping station hoisting system.

- 1) Delete the 1/2-ton capacity hoist and trolley assembly as specified in Section D11-19.
- 2) Delete the 14-ft. long W6x8.5 support beam.
- 3) Add a 1-ton capacity hoist and trolley assembly. The assembly shall meet all specs. as detailed in Section D11-19.
- 4) Add a 14-ft. long W6x12 support beam.

\$142.00

Totals

\$142.00

\$44,523.00

Net Change - Deduct

\$44,381.00

Note:

These changes will not affect the time of completion of the project.

## RECOMMENDED:

HOWARD NEEDLES TAMMEN &amp; BERGNEOFF

By Ray H. Woher  
 Title Project Mgr. Date 2/10/82

ACCEPTED:

HAGERMAN-SHAMBAUGH, Joint Bidders  
 ACCEPTED FOR HAGERMAN CONSTRUCTION CORP.  
 CONTRACTOR

By [Signature]  
 Title Pres. Date 2-9-82

ACCEPTED FOR SHAMBAUGH & SON, INC.  
 CONTRACTOR

By [Signature]  
 Title Geny Date 2-9-82

## APPROVED:

CITY OF FORT WAYNE, INDIANA  
OWNER

By [Signature]  
Stephen A. Bailey, Chairman  
Roberta Anderson Staten  
 Roberta Anderson Staten, Member

Betty R. Collins, Member

BOARD OF PUBLIC WORKS

Date 2-17-82

Recommended for Payment  
 Department of Water Resources

Date 2/12/82 By [Signature]

# WATER QUALITY CONTROL PROJECT

## AWT - PHASES A, B, & C CITY OF FORT WAYNE, INDIANA

### JUSTIFICATION FOR CHANGE

#### CHANGE ORDER NO. 1

#### I. NECESSITY FOR CHANGE:

##### Item No. 1

The sludge holding tank was first designed to serve a dual purpose as both a pond sludge decant tank and as an AWT filter backwash decant tank. The 42-inch effluent line was sized to handle the peak backwash flow rate. When the filters were later deleted from the project, the sludge tank effluent line size was not altered for the flow rates of the pond sludge system. The revision will not limit the system hydraulically and will provide for cost savings.

##### Item No. 2

The imbedding of a steel angle in the concrete weir wall was designed into the secondary tank structures to assure that a true and regular surface would be available for installation of the effluent weir plate. In the absence of a pre-formed steel mating surface, an irregular concrete surface would cause major installation and, ultimately, sealing problems. Hagerman Construction has proven to be capable of forming and pouring a wall sufficiently true as to allow installation of a weir plate directly to a concrete surface, as they successfully accomplished on four (4) similar installations in the last expansion phase.

##### Item No. 3

The pond sludge pumping station hoist system was designed to handle any one of the component parts of the pumps. The 1/2 ton capacity was based upon available information which indicated that none of the parts weighed more than 1000 lbs. The actual weight of the pump motor is 1300 lbs., so the hoisting system must be revised to accommodate that weight.

#### II. WILL PROPOSED CHANGE ALTER SIZE OF PROJECT:

The proposed changes described herein will not significantly alter the existing design flow or size of this project.

Water Quality Control Project  
AWT - Phase A, B and C  
City of Fort Wayne, Indiana  
Justification For Change  
Change Order No. 1  
Page -2-

III. EFFECT ON OPERATION AND MAINTENANCE OF THIS PROJECT:

It is the Engineer's professional opinion that the above items will not adversely affect operability and maintenance at the plant.

IV. TIME OF COMPLETION:

These changes will not affect the time of completion of the project.

FEB 14 1982

## HOWARD NEEDLES TAMMEN &amp; BERGENDOFF

November 12, 1981

Hagerman-Shambaugh, Joint Bidders  
510 W. Washington Boulevard  
P.O. Box 10690  
Fort Wayne, Indiana 46853-0690

Attn: Mr. Jim Schafenacker

Re: Fort Wayne Water Quality Control Project  
Phases A, B & C - AWT Project  
Water Pollution Control Plant

Gentlemen:

In response to the question that was brought out during our meeting of September 15, 1981, concerning the conflict between the sludge tank effluent line and the sludge line, we are requesting a quote for a remedial change in contracted work.

Attached is a revised Sheet No. SH-1 which indicates the proposed change in the sludge holding tank effluent line. The changes are as follows:

1. Completely delete construction of the new junction box.
2. Delete the new 42" sluice gate.
3. Delete all electrical work associated with the 42" sluice gate.
4. Change the 42" D.I. effluent line to an 18" D.I. line.
5. Add one 18" x 18" x 18" tee to connect effluent line to decant line.
6. Add one 18" C.I. flap gate to the effluent end of the 18" D.I. pipe located in the existing chlorine contact tank diversion chamber.

Architects Engineers Planners • Formerly offices of H.B. Sleep & Associates • P.O. Box 68567, 3333 Founders Lane, Indianapolis, Indiana 46246, 317 872-3160

Partners: H. C. Lamberton Jr. PE, James F. Finn PE, Paul L. Heneman PE, Gerard F. Fox PE, William M. Wachter PE, George M. Egan PE, Shouling Chen PE, Charles T. Hennigan PE, Edgar B. Johnson PE, Daniel J. Watkins PE, Ralph E. Myers FAIA, Daniel J. Spiga PE, John L. Cotton PE, Francis X. Han PE, Robert S. Combs PE, Donald A. Dupes PE, William Love AIA, William C. Meredith PE, Associates: Daniel J. Appel PE, Robert W. Richards PE, Don R. Orr PE, Frederick H. Stierbenz PE, Robert B. Kolmar PE, Kendall T. Linnell PE, John P. Siquel PE, Robert W. Smith PE, Jack C. Thompson PE, Richard D. Beckman PE, John A. Eggen Jr. AIA, Lloyd H. Baker, Harry D. Beltruso PE, Ralph E. Robinson PE, Cecil P. Courtes PE, Stephen G. Goodard PE, Harvey K. Hammond Jr. PE, Stanley I. Mast PE, Robert D. Miller PE, Robert W. Alva PE, Steven C. Gorman PE, Cary C. Goodman AIA, Walter Sharkey PE, Gordon H. Stanley Jr. PE, James L. Tuttle Jr. PE, Norman J. Boge PE, James O. Russell PE, Offices: Alexandria, VA, Atlanta, Baton Rouge, Boston, Cape Coral, FL, Casper, WY, Charleston, SC, Charleston, WV, Chicago, IL, Dallas, TX, Denver, CO, Detroit, MI, Fort Worth, TX, Houston, IN, Indianapolis, Jacksonville, FL, Kansas City, Los Angeles, Miami, Milwaukee, Minneapolis, Newark, DE, New York, NY, Orlando, FL, Phoenix, AZ, Portland, ME, Seattle, Tampa, Tulsa, Manila, Rio de Janeiro



Hagerman-Shambaugh, Joint Bidders  
Fort Wayne, Indiana  
November 12, 1981  
Page -2-

If during your review of the proposed changes you recognize any problems or additional changes required which we have not addressed, please bring them to our attention.

In your quotation to comply with our proposed changes please break down your costs as much as possible so we may evaluate and expedite the change as quickly as possible.

If you need any further information concerning this subject, please contact our office.

Very truly yours,

HOWARD NEEDLES TAMMEN & BERGENDOFF

A handwritten signature in cursive script, reading "Ray H. Kocher".

Ray H. Kocher, P.E.  
Project Manager

RHK/KAK/ad

cc: Mr. Phil Boller  
Mr. Neil Wisler  
Mr. Jim Harvey

# Hagerman Construction Corporation

GENERAL CONTRACTORS



Office 510 West Washington Blvd - Phone 219-424-1470  
P. O. Box 10690

FORT WAYNE, INDIANA 46853

November 23, 1981

Howard Needles Tammen & Bergendoff  
3333 Founders Lane  
Indianapolis, IN 46268

Attn: Mr. Robert Falk

Re: City of Fort Wayne, Indiana  
Advanced Wastewater Treatment Phases A, B & C

Gentlemen:

As requested in your letter of November 12, 1981, we submit the following quotation for the proposed change in the sludge holding tank effluent line as indicated on your revised Sheet No. SH-1 (37):

1. Delete concrete (22 cu. yds.) and reinforcing steel.	Material	Deduct	\$ 1,889.00
	Install	Deduct	\$ 2,900.00
2. Delete fiberglass grating and support angles.	Material	Deduct	\$ 963.00
	Install	Deduct	\$ 280.00
3. Delete electrical hook up of gate motor number 44.	Subcontract	Ded.	\$ 450.00
4. Revise piping (see Shambaugh's quote dated Nov. 23, 1981)		Deduct	\$ 11,455.00
	Total Deduct		\$ 17,937.00

This quotation is good for acceptance until January 31, 1982 and we would appreciate a reply as soon as possible in order to cancel orders.

We request no extension of time unless non-acceptance delays the field work. If you require additional information, please call at your earliest convenience.

Very truly yours,

HAGERMAN CONSTRUCTION CORPORATION

By *[Signature]*  
James A. Schafenacker

JAS:sw

c.c. Jack Line  
Donald Hoke

# Shambaugh & Son INC.

MECHANICAL • ELECTRICAL • FIRE PROTECTION • WASTE WATER

137 Chambeau Road • P.O. Box 1267 • Fort Wayne, Indiana 46801 • Phone (219) 484-0741

November 23, 1981

Hagerman Construction Corporation  
510 W. Washington Blvd.  
P. O. Box 10690  
Fort Wayne, IN 46853

Attention: Jim Schafenacker

Reference: City of Ft. Wayne, Indiana  
Phase A, B & C  
Advance Wastewater Treatment  
Water Quality Control Project  
Job #6306  
C. R. #4

Gentlemen:

Reference revised drawing #37 and piping change we enclose our quote. The 18" decant line work remains essentially the same.

1. Deduct of original items.

	<u>Mat'l</u>	<u>Install</u>	<u>Total</u>
(a) 128' 42" D.I. pipe	\$ 8,352	\$4,554	\$12,906
(b) 42" & 18" Steel sleeves	498	324	822
(c) 42" & 18" Link seals	523	284	807
(d) Excavation & backfill (220 cy)	---	2,347	2,347
(e) 42" Sluice Gate & Thimble	<u>6,424</u>	<u>550</u>	<u>6,974</u>
Total	\$15,797	\$8,059	\$23,856

2. New Work

	<u>Mat'l</u>	<u>Install</u>	<u>Total</u>
(a) 18" D.I. pipe 128'	\$2,087	\$4,406	\$ 6,493
(b) 18" Flap Valve & wall casting	2,046	270	2,316
(c) 18" MJ tee	871	120	991
(d) 18" Steel sleeve & link seal	174	80	254
(e) Excavation & Backfill	---	<u>2,347</u>	<u>2,347</u>
Total	\$5,178	\$7,223	\$12,401

Total Credit \$23,856  
Total Add 12,401  
Net Credit \$11,455


Hagerman Construction Corporation  
Mr. Jim Schafenacker  
November 23, 1981  
Page 2

This quote is good for acceptance until January 31, 1982, however, we would like to know as soon as possible so sluice gate may be cancelled.

Time Extension requested -- No time is requested provided we have acceptance by January 31, 1981.

Very truly yours,

SHAMBAUGH & SON, INC.



Ronald Hoke  
Project Manager

RH/tm

cc: Duane Cryer/Shambaugh & Son/Jobsite  
James F. Harvey/Shambaugh & Son/File

# Hagerman Construction Corporation

GENERAL CONTRACTORS



Office 510 West Washington Blvd. Phone 219-424-1470

P. O. Box 10690

FORT WAYNE, INDIANA 46853

Decmeber 11, 1981

Howard Needles Tammen & Bergendoff  
3333 Founders Lane  
P O Box 68567  
Indianapolis, Indiana 46268

Attn: Mr. Robert Falk

Re: Fort Wayne A.W.T.  
Phases A, B & C  
Revision to Quotation of November 23, 1981

Gentlemen:

We are sending you a copy of Shambaugh's revised quote changing item 4 of our quotation letter of November 23, 1981 from a deduct of \$11,445.00 to a deduct of \$11,977.00. This will change the total credit for changes indicated on revised Sheet No. SH-1 (37) from \$17,937.00 (quoted on November 23, 1981) to \$18,459.00.

As indicated in Shambaugh's attached letter, we would appreciate an early reply.

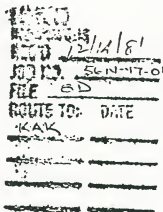
Very truly yours,

HAGERMAN CONSTRUCTION CORPORATION

By *James A. Schafenacker*  
James A. Schafenacker

JAS:sw  
Enc.

c.c. Jack Line  
Ronald Hoke



# Shambaugh & Son INC.

MECHANICAL • ELECTRICAL • FIRE PROTECTION • WASTE WATER

137 Chambaau Road • P.O. Box 1287 • Fort Wayne Indiana 46801 • Phone (219) 484-0741

December 10, 1981

Hagerman Construction Corporation  
510 W. Washington Blvd.  
P. O. Box 10690  
Fort Wayne, IN 46853

Attention: Jim Schafenacker

Reference: City of Fort Wayne, Indiana  
Phase A, B & C  
Advanced Wastewater Treatment  
Water Quality Control Project  
Job #6306  
C.R. #4, Rev. #1

Gentlemen:

Reference revised drawing #37 and piping change we enclose our quote. The 18" decant line work remains essentially the same.

1. Deduct of original items		<u>Mat'l</u>	<u>Install</u>	<u>Total</u>
(a)	128' 42" D.I. pipe	\$ 8,352	\$4,554	\$12,906
(b)	42" & 18" Steel sleeves	498	324	822
(c)	42" & 18" Link seals	523	284	807
(d)	Excavation & backfill (220 cy)	---	2,347	2,347
(e)	42" Sluice Gate & Thimble	<u>8,566</u>	<u>550</u>	<u>9,116</u>
Total		\$17,937	\$8,059	\$25,998
2. New Work		<u>Mat'l</u>	<u>Install</u>	<u>Total</u>
(a)	18" D.I. pipe 128'	\$2,087	\$4,406	\$ 6,493
(b)	18" Flap Valve & wall casting	2,046	270	2,316
(c)	18" MJ tee	871	120	991
(d)	18" Steel sleeve & link seal	174	80	254
(e)	Excavation & backfill	---	2,347	2,347
(f)	Overhead, engineering & restocking charge	---	---	1,620
Total		\$5,178	\$7,223	\$14,021
Total Credit				\$25,998
Total Add				<u>14,021</u>
Net Credit. . . . .				\$11,977

Hagerman Construction Corporation  
Mr. Jim Schafenacker  
December 10, 1981  
Page 2

This quote is good for acceptance until January 31, 1982, however, we would like to know as soon as possible so sluice gate may be cancelled.

Time Extension Requested -- No time is requested provided we have acceptance by January 31, 1981.

The new 18" flap valve we are quoting is a flange style, IBBM.

Very truly yours,

SHAMBAUGH & SON, INC.



Ronald Hoke  
Project Manager

RH/tm

cc: Duane Cryer/Shambaugh & Son/Jobsite  
James F. Harvey/Shambaugh & Son/File



EQUIPMENT CO., INC.

NOV 17 1981

5160 E. 65th ST. INDIANAPOLIS, INDIANA 46220 317/849-7942

November 17, 1981

Ron Hoke  
Shambaugh & Son, Inc.  
P. O. Box 1287  
Fort Wayne, Indiana 46801

*File*  
*[Signature]*

Re: Fort Wayne, Indiana  
Your P.O. 6306-005-0129  
Rodney Hunt 18452-2

Ron:

Confirming our phone conversation of this date, we have been advised by Rodney Hunt that the deduct for deleting Item #4 in its entirety is \$8,566.00.

If we can be of further service, let us know.

Sincerely,

*Virginia*  
Virginia O'Connor

CC: HNTB, FRASERMAN FOR

Complete Water Treatment and Water Pollution Control Equipment



## HOWARD NEEDLES TAMMEN &amp; BERGENDOFF

December 14, 1981

Hagerman-Shambaugh, Joint Bidders  
510 West Washington Boulevard  
Fort Wayne, Indiana 46853

Attn: Mr. Jim Schafenacker

Re: Fort Wayne, Indiana  
AWT Project, Phases A, B & C

Gentlemen:

This letter is confirmation of your telephone conversation on December 11, 1981 with Keith Kelsey of our office, regarding the change request in the sludge holding tank effluent line. In evaluating this item, we find no allowance made for deletion of instrumentation work for the sluice gate.

Also, we need to see a better breakdown of the electrical hook-up item.

Keith talked to Ron Hoke of Shambaugh & Son on December 9, 1981 and requested further documentation on the cost of the sluice gate. We will be able to complete our evaluation of this change when we receive this information.

Please call if you have any questions concerning this matter.

Very truly yours,

HOWARD NEEDLES TAMMEN &amp; BERGENDOFF

*Ray N. Kocher*  
Ray N. Kocher, P.E.

RHK/RWF/abc

cc: Ron Hoke  
Jim Harvey  
Jack Line

Architects Engineers Planners • Formerly offices of H.B. Streep & Associates • P.O. Box 68567, 3333 Founders Lane, Indianapolis, Indiana 46268 317-872-3160

[illegible]

# Hagerman Construction Corporation

GENERAL CONTRACTORS



Office: 510 West Washington Blvd-Phone 219-424-1470

P. O. Box 10690

FORT WAYNE, INDIANA 46853

December 28, 1981

Howard Needles Tammen & Bergendoff  
P. O. Box 68567  
Indianapolis, Indiana 46268

Attn: Mr. Robert Falk

Re: Fort Wayne A.W.T.  
Phases A, B & C  
Revision to Quotations of November 23rd  
and December 11, 1981

Gentlemen:

We amend our quotations of November 23rd and December 11, 1981 for the proposed change in the sludge holding tank effluent line as indicated on your revised Sheet No. SH-1 (37):

1. Credit for the instrumentation equipment (See Shambaugh's attached letter)	Deduct \$ 64.00
2. Credit for the instrumentation wiring and connections	Deduct \$ <u>200.00</u>
Additional Credit	\$ 264.00
Credit from letter of December 11, 1981	<u>\$18,459.00</u>
Total credit for this change	\$18,723.00

The credit of \$650.00 for electrical and control wiring is for the deletion of conduit and wire from the pump building to the gate motor and deleting control connections. The control wiring from the pump building to the storm water building is part of a cable and was not deleted.

Please advise us if this is acceptable at an early date.

Very truly yours,

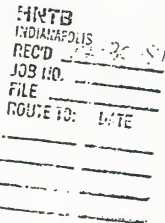
HAGERMAN CONSTRUCTION CORPORATION

By

*James A. Schafenacker*  
James A. Schafenacker

JAS:sw

c.c. Jack Line  
Ronald Hoke  
Bill Kerr



# Shambaugh & Son INC.

MECHANICAL • ELECTRICAL • FIRE PROTECTION • WASTE WATER

137 Chambeau Road • P.O. Box 1287 • Fort Wayne, Indiana 46801 • Phone (219) 484-0741

December 18, 1981

Hagerman Construction Corporation  
510 W. Washington Blvd.  
P. O. Box 10690  
Fort Wayne, IN 46853

Attention: Jim Schafenacker

Reference: City of Ft. Wayne, IN  
Water Quality Control Project  
Advanced Wastewater Treatment  
Job #6306  
C.R. #4, Rev. #2

Gentlemen:

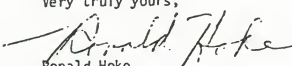
This is to advise we have checked with Robinson & Associates regarding any instrumentation credit on our part and have been advised the credit is \$64.

Therefore, add this \$64 to our letter of December 10, 1981, that shows a credit of \$11,977.

Our new total credit is \$12,041.00.

With this additional information, I hope Howard, Needles, Tammen & Bergendoff will advise us promptly.

Very truly yours,

  
Ronald Hoke  
Project Manager

RH/tm

cc: Bob Falk/HNTB/Indianapolis  
Duane Cryer/Shambaugh & Son/Jobsite  
James F. Harvey/Shambaugh & Son/File



# Hagerman Construction Corporation

GENERAL CONTRACTORS



Office: 510 West Washington Blvd - Phone 219-424-1470

P. O. Box 10690

FORT WAYNE, INDIANA 46853

January 15, 1982

Howard Needles Tammen & Bergendoff  
P. O. Box 68567  
Indianapolis, Indiana 46268

Attn: Mr. Robert Falk

Re: Fort Wayne A.W.T. Project

Gentlemen:

We are enclosing a copy of our quotation from Central Electric Contracting Co., Inc. for the deletion of the Sluice Gate #44 wiring for your file.

Very truly yours,

HAGERMAN CONSTRUCTION CORPORATION

By \_\_\_\_\_  
James A. Schafenacker

JAS:sw  
Enc.

MTB  
INDIANAPOLIS  
REC'D 1/16/82  
JOB NO. 5114-47-9  
FILE 6D  
ROUTE TO: DATE  
RSE 1/18/82  
BHK  
KAK

REDI-LEAF

TO Hagerman Const. Co.

FROM

CENTRAL ELECTRIC CONTRACTING CO., INC.  
5420 DISTRIBUTION DRIVE, P.O. BOX 15565  
FORT WAYNE, INDIANA 46885

Att. Jim Shafewacker

SUBJECT H. Wayne Water Quality Control Project

DATE 1/14/82

MESSAGE REVISE our price of Nov 20/81 - Sluice Gate 44

Power Wiring 450.00 DEDUCT  
Control " 200.00 DEDUCT  
650.00 DEDUCT

Electrical work can be estimate better with a drawing.

SIGNED

Permit plus

REPLY

SIGNED

DATE

REDIFORM, 45 472

SEND PARTS 1 AND 3 WITH CARBON INTACT -  
PART 3 WILL BE RETURNED WITH REPLY.

FORM 100 (10-1975) 104

# COST ANALYSIS

PROJECT FT. WAYNE AWT - PHASES A, B, & C

SHEET NO. 1 of 1

CHANGE SLUDGE HOLDING TANK EFFLUENT LINE

ESTIMATE NO. 1

FROM 42" TO 18"

DATE Nov '81

QUANTITIES BY KAK

PRICES BY

EXTENSIONS BY

CHECKED BY RJP

DESCRIPTION	QUANTITY	UNIT	Add		Delete	TOTAL		TOTAL	TOTAL	
			UNIT	18"		UNIT	18"		UNIT	TOTAL
<b>EFFLUENT STRUCTURE</b>										
Concrete Class A	21.6	CY	250					5400		(4789)
Class B	2.5	CY	100					250		
Excavation										
42" (55 LF x 10' x 6')	122	CY	5 <sup>00</sup>					6110		
18" (55 LF x 10' x 4')	81	CY	5 <sup>00</sup>		405					(2347)
										2347
Backfill										
42" (55' x 10' x 6' - 12 CF/ft)	98	CY	5 <sup>00</sup>					4900		
18" (55' x 10' x 4' - 12 CF/ft)	78	CY	5 <sup>00</sup>		234					
Pipe										
42" DI 130 LF	130	LF	110					14300		(12906)
18" DI 135 LF	135	LF	50		6750					6493
18x18 Tee	915	lbs	1 <sup>00</sup>		915					991
sleeves 42"	2	LS						1375		(1629)
18"	3	LS	250		250			250		254
SLUICE GATE										
42" φ	1	LS	7000					7000		
Operator	1	LS	7500		8566			7500		(8566)
Installation Labor	25	TH's	20					500		(550)
FLAP GATE										
18"	1	LS			2000					2046
Installation	12	TH's	20		240					210
FIBERGLAS GRATING	52	SF	20					1040		(1243)
ELECTRICAL	1	LS	500					500		(650)
INSTRUMENTATION	1	LS	100					100		(264)
					10824			39315		(20343)
								33381		1620
								23491		
								22557		18723

# Hagerman Construction Corporation

GENERAL CONTRACTORS



Office 510 West Washington Blvd - Phone 219-424-1470

P. O. Box 10690

FORT WAYNE, INDIANA 46853

November 16, 1981

H.N.T.B.  
3333 Founders Lane  
Indianapolis, Indiana 46268

Attn: Mr. Ray Kocher

Re: Advanced Wastewater Treatment Project  
Fort Wayne, Indiana

Gentlemen:

As requested, we submit the following changes for the above project:

Change the 4 x 4 stainless steel embedded angle at the weir plates to a 1/4 x 4 stainless steel bar and add a 1/4" neoprene gasket between the bar and the weir plate.

Deduct \$1,600.00

As an alternate, delete the 4 x 4 stainless steel embedded angle and install the stainless steel weir plate direct to the concrete and caulk the joint between the weir plate and concrete wall at the five secondary tank making the installation similar to the construction of the last four secondary tanks.

Deduct \$17,400.00

We appreciate your consideration on this change. If additional information is required, please call at your earliest convenience.

Very truly yours,

HAGERMAN CONSTRUCTION CORPORATION

By

*James A. Schafenacker*  
James A. Schafenacker

JAS:sw

c.c. Mr. Jim Harvey

RECEIVED

NOV 17 1981

ENR

NOV 16 1981

TO RYERSON STEEL OF \_\_\_\_\_FROM KAK OF HNTB

SUBJECT DISCUSSED

BUDGET COST PRICES

4" X 4" X 1/4" L 304 S.S. - \$236.65 PER 100 lbs. (6.6#/LF)

4" X 1/4" PL " " 113.20 " " (3.4#/LF)

EACH TANK REQ'D 360 LF OF ANGLE @ 6.6#/LF = 2376#/TANK

" " " " PLATE @ 3.4#/LF = 1224#/TANK

 $23.76/100 \times \$236.65/100 = \$5622$  PER TANK $12.24/100 \times \$113.20/100 = \$1383$  PER TANK

\$5622 X 5 TANKS = \$28110.00

1383 X 5 TANKS = \$6915.00

\$21,195 DIFFERENCE

NOTE: COST OF MAT'L IS BASE COST NO SHIPPING OR DISCOUNT

ACTION TO BE TAKEN



# Hagerman Construction Corporation

GENERAL CONTRACTORS



Office 510 West Washington Blvd - Phone 219-424-1470

P. O. Box 10690

FORT WAYNE, INDIANA 46853

December 8, 1981

Howard Needles Tammen & Bergendoff  
3333 Founders Lane  
P. O. Box 68567  
Indianapolis, Indiana 46268

Attn: Mr. Robert Falk

Re: Advanced Wastewater Treatment  
Phases A, B & C  
Fort Wayne, Indiana  
Revised Quotation of November 16, 1981

12/10/81  
564-47-01  
ED

KAK

Gentlemen:

As requested, we submit the following revision to our quotation of November 16, 1981:

1. Change the 4 x 4 stainless steel embedded angle at the weir plates on the five secondary tanks (1800 lineal feet) to a 1/4 x 4 stainless steel bar and add a 1/4" neoprene gasket, field assembled, between the bar and the weir plate.

Credit from Almet (see attached letter)	\$ (7,683.00)
Add field install gasket	<u>1,260.00</u>
Net Deduct	\$ 6,423.00

2. As an alternate, delete the 4 x 4 stainless steel embedded angle and install the weir plate direct to the concrete wall with s.s. 1/2" x 4" drilled anchors, caulking the joint, making the installation similar to the last four tanks.

Deduct	\$ 22,800.00
--------	--------------

If 1/4" neoprene gasket is added to the alternate above - Add \$6,200.00.

We appreciate your consideration on the above revised quotation and request a prompt reply.

Very truly yours,

HAGERMAN CONSTRUCTION CORPORATION

By James A. Schafenacker

c.c. Jack Line  
Jim Harvey  
Bill Kerr

JAS:sw

# ALMET INC

Metal Fabricators

P. O. Box 346 • 300 Hartzell Road  
New Haven, Indiana 46774 • (219) 493-1556

December 4, 1981

Hagerman Construction  
P.O. Box 10690  
Fort Wayne, Indiana 46853-0690

Attn: James A. Schafenacher

Re: Fort Wayne S.T.P.  
Final Clarifier Alternate

RECEIVED

Gentlemen:

Below is listed cost breakdown for original plan using 4 x 4 x 1/2 angle versus using 1/2 x 4 flat bar & neoprene gasket. In order to offer a better credit to the engineers we offer the bar & neoprene loose, not glued together as we had planned on the first go around.

90- 4 x 4 1/2 angle x 20'-0 to 22'-0 rolled to approximately 125'-0 inside diameter leg out, delivered to Fort Wayne.  
11,853#

\$25,349.00


## ALTERNATE:

90- 1/2 x 4 Bar x 20'-0 6120#	113.20/cwt.	\$ 6,928.00
90- 1/2 x 4 Neoprene x 20'-0	1.56/Ft.	\$ 2,808.00

## EXTRA LABOR

Roll 1/2 x 4 Bar 90 Pieces 1 Manhour Each		
90 Hours At \$30.00		\$ 2,700.00
Layout & Punch Neoprene (Handwork)		\$ 2,160.00
Freight In On 6120#		\$ 70.00
Restocking Charge Of 4 x 4 1/2 Angle		\$ 3,000.00
		<hr/>
		\$17,666.00

We offer a credit of \$7,683.00 under these conditions.

Very truly yours,  
  
R. P. Greim  
President

RPG:cml  
Encl.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

P. O. Box 6000-A

ADDRESS

May 14, 1981

R. W. Metz:sw

Estimate Number: 4-A-47

Almet, Incorporated  
300 Hartzell Road  
New Haven, Indiana 46774

Attention: Mr. Dick Greim

Dear Dick:

Thank you for your inquiry of April 20 in which we are pleased to confirm the following price F.O.B. delivered New Haven, Indiana.

90 pcs.	Angles Stainless Type 304, 4" x 4" x 1/4" 20'	
	to 22' random lengths rolled leg out on a 125'	
	inside diameter untrimmed.	
	PRICE . . . . .	\$25,349.00 Lot

Delivery approximately three weeks after receipt of an order.

We appreciate the opportunity of quoting on your steel requirements and look forward to receiving your order.

RECEIVED  
MAY 1 1931

ALMET, INC.

PC-9 \_\_\_\_\_ ACC. \_\_\_\_\_  
OK \_\_\_\_\_

Terms of payment (Subject to the approval of the Credit Department).

All material and workmanship shall be in accordance with the foregoing specifications and ordinary mill and shop practice. See reverse side for general conditions of sale.

Accepted

By \_\_\_\_\_

Date \_\_\_\_\_

FORM 732-12-3 MAR 77

# Hagerman Construction Corporation

GENERAL CONTRACTORS



Office 510 West Washington Blvd - Phone 219-424-1470

P. O. Box 10690

FORT WAYNE, INDIANA 46853

December 28, 1981

Howard Needles Tammen & Bergendoff  
3333 Founders Lane  
P. O. Box 68567  
Indianapolis, Indiana 46268

Attn: Mr. Robert Falk

Re: A.W.T. Phases A, B & C  
Fort Wayne, Indiana  
Revised Quotation of November 16, 1981 & December 8, 1981

Gentlemen:

We submit a revised quotation for changing the circular weir plate attachment to the effluent channel walls of the five new circular Secondary Tanks:


Delete the 4 x 4 stainless steel embedded angle and install the stainless steel weir plate direct to the concrete channel wall with stainless steel 1/2" x 4" drilled anchors, caulking the joint between the weir and concrete. This makes the installation of the weir plate similar to tanks #6, #7, #8 and #9.

Delete . \$25,800.00

We appreciate your consideration on the above revised quotation and request a prompt reply.

Very truly yours,

HAGERMAN CONSTRUCTION CORPORATION

By   
James A. Schafenacker

JAS:sw

c.c. Jack Line  
Jim Harvey  
Bill Kerr

**HNTB**

INDIANAPOLIS

REC'D 12-30-81

JOB NO. \_\_\_\_\_

FILE \_\_\_\_\_

ROUTE TO: DATE \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COST ANALYSIS

C0201 Item No. C

PROJECT FT. WAYNE AWT - PHASES A,B,C

SHEET NO. 1 of 1

DELETE STAINLESS STEEL ANGLE FROM FINAL

ESTIMATE NO.

TANK WEIR WALL

DATE Nov '81

QUANTITIES BY KAK

PRICES BY

EXTENSIONS BY

CHECKED BY RWF

DESCRIPTION	QUANTITY	UNIT	HNTB		Hagerman/Smith	
			UNIT	TOTAL	UNIT	TOTAL
Delete Angle (4x4x1/4" ss)						
360 LF/Tank (6.67/FT)	11,880	lbs	* 23445	(23115)		(25389)
					rebar change	3000
Reduced labor						
20 MH/Tank	100	MH	20	(2000)		
Add 4x4" ss Plate						
Material (3.47%F)	6120	lbs	1132	6930		9628
labor (same as above)				2000		
					neoprene gasket	1968
						1260
Weir to concrete installation						
caulk weir plate						
360 LF/Tank x 5	1800	FT	1.25	2250		
Delete Angle add Plate					(28115)	
					(2000)	
					6930	
					2000	
					(21185)	
						1600
						6123
Delete Angle & Caulk Weir						
Plate to Concrete					25349	(28115)
					(2000)	
					2250	
					(27865)	
					25099	
						17100
						22800
						25800

# Hagerman Construction Corporation

GENERAL CONTRACTORS



Office: 510 West Washington Blvd. Phone 219-424-1470

P. O. Box 10690

January 29, 1982

FORT WAYNE, INDIANA 46853

Howard Needles Tammen & Bergendoff  
P. O. Box 68567  
Indianapolis, Indiana 46268

Attn: Mr. Robert Falk

Re: AWT - Fort Wayne, Indiana  
Sludge Pond Hoist

Gentlemen:

We submit the following quotations for changing the capacity of the sludge pond hoist. These do not reflect a change in the trolley beam size if that is necessary.

- |  |     |           |
|--|-----|-----------|
| 1. Change to a 1 ton hoist and trolley   | Add | \$ 142.00 |
| 2. Change to a 1 1/2 ton hoist & trolley | Add | \$ 369.00 |
| 3. Change to a 2 ton hoist and trolley   | Add | \$ 472.00 |

The above is for material change as quoted by our supplier and does not reflect any change in labor. The equipment would be the same specification as previously submitted but a different model number and capacity. Also there is no 3/4 ton capacity hoist available.

Please respond as soon as possible so we can change this order without incurring additional costs.

Very truly yours,

HAGERMAN CONSTRUCTION CORPORATION

By

*Jim Schafnacker*  
James Schafnacker

JS:sw

c.c. Jack Line  
Jim Harvey  
William Kerr

HNTB  
INDIANAPOLIS  
REC'D 2-1-82  
JOB NO. 564-47-01  
FILE 64  
ROUTE TO: DATE  
RHK 2/2/82  
RJR 2/1/82  
KAK

TITLE OF ORDINANCE Water Quality Control Project; AWT - Phases A,B,& C; C-180774-03

DEPARTMENT REQUESTING ORDINANCE Board of Public Works

J-82-03-07

SYNOPSIS OF ORDINANCE Change Order #1, Water Quality Control Project, AWT - Phases

A,B,& C, EPA Project # C-180774-03, Hagerman-Shambaugh, Joint Bidders.

This change order will provide all the necessary labor and material to revise:

Item 1 - the 42 inch sludge holding tank effluent line;

Item 2 - the five new secondary clarifier tanks;

Item 3 - the pond sludge pumping station hoisting system.

These changes will not affect the time of completion of the project.

EFFECT OF PASSAGE The above changes can be made.

EFFECT OF NON-PASSAGE The corrections to this project cannot be completed.

MONEY INVOLVED (DIRECT COSTS, EXPENDITURE, SAVINGS) Item 1 - Deduct \$18,723.00; Item 2 -

Deduct \$25,800.00; Item 3 - Add \$142.00; Net Change - Deduct \$44,381.00.

ASSIGNED TO COMMITTEE \_\_\_\_\_